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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY


REGION 8
999 18TH STREET - SUITE 500
DENVER, CO 80202-2466

March 22, 1999

Ref: 8EPR-SR

MEMORANDUM

TO: File

FROM: Jim Christiansen, RPM 

SUBJECT: Richardson Flats Site Visit, 3/16/99

This memo is to document a site visit conducted on 3/16/99. Mo Slam and Steven Thiriot of UDEQ, myself, Kerry Gee of United Park City Mines (UPCM), and Jim Fricke, a consultant to UPCM walked most of the site.

The visit was conducted during a significant snow melt event, resulting in saturated soils and a large amount of standing water. Spotty accumulations of snow were still present.

We walked the length of the surface water diversion ditch on the southern boundary of the site. Flow in the ditch was pronounced, suggesting significant capture of ground water. There was evidence of beaver activity in and near the ditch. Overall, there appeared to be no overland flow off the tailings pile. The soil cap appeared to be in good condition and vegetation on the cap was hardy for the area. Some new fill was stockpiled on top of the cap.

The portion of the site which was not capped was under approximately 1-10" of standing water and supported vegetation characteristic of wetlands.

Photos from the visit are attached.



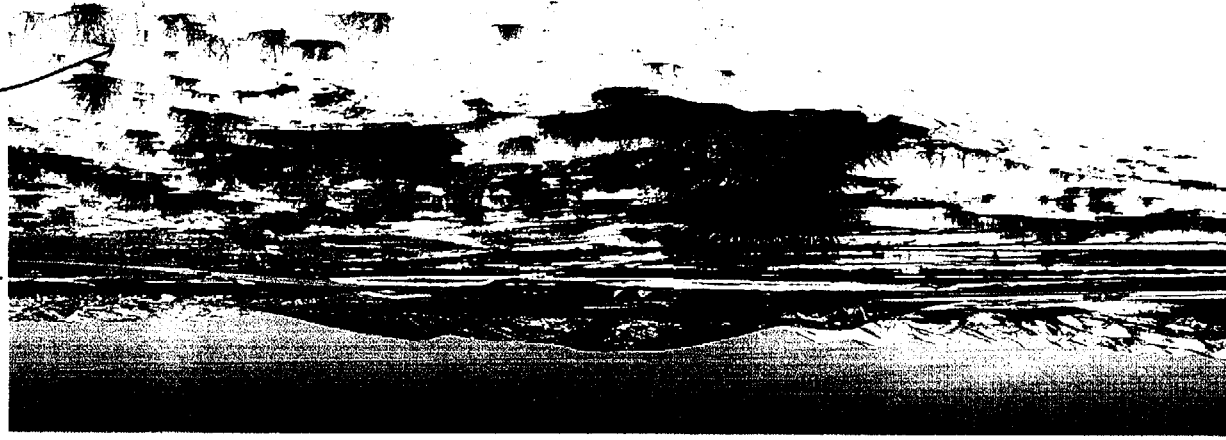
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View looking ESE on diversion ditch (south side).
Ditch approximately 6-8 ft wide. Flow out of page.
Impoundment on left.



View looking NW across pile. Jim Fiske
observing newly installed piezometer.



ground water
well

→ Silver Creek

→ Silver
Creek

Two views pasted together looking WNW from
tailings impoundment near Park City upper left.
Drainage from site flows primarily into the page.